

## Masterstudiengang Management and Engineering in Productions Systems an der RWTH Aachen

PO Version 2020  
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Compulsory Courses										
Responsible for Module	Lecturers	Module	CP	L	P/L	Σ SWS	Summer / Winter	Module ID	Σ CP	Σ SWS
<b>Compulsory Courses (Engineering)</b>										
Schmitt	Schmitt	Quality Management	6	2	2	4	w	4011453	36	27
Schuh	Schuh / Stich	Industrial Logistics	5	2	1	3	s	4011473		
Brecher	Brecher	Machine Tools	5	2	2	4	w	4011460		
Klocke	Klocke	Manufacturing Technology I	5	2	2	4	w	4011458		
Klocke	Klocke	Manufacturing Technology II	5	2	2	4	s	4011447		
Schuh	Schuh	Production Management A	5	2	2	4	w	4011477		
Schuh	Schuh	Production Management B	5	2	2	4	s	4011472		
<b>Compulsory Courses (Management)</b>										
Metmathe	Metmathe	Finance and Accounting	5	3	2	5	s	8015422	40	34
Breuer	Breuer	Financial Management	5	2	2	4	w	8024262		
Jones	Jones	Human Resource Management	5	2	2	4	w	8018762		
N.N.	N.N.	International Business	5	2	2	4	w	4011505		
Letmathe	Letmathe	Management Accounting	5	2	2	4	w	8022783		
Wentzel	Wentzel	Marketing Management	5	3	2	5	s	8015423		
N.N.	N.N.	Strategic Management	5	2	2	4	w	8016481		
N.N.	N.N.	Sustainable Development and the Global Economy	5	2	2	4	w	8022785		
<b>Elective Courses (Engineering)</b>										
Schleifenbaum	Schleifenbaum	Additive Fertigungsverfahren: Technologien und Prozesse	6	2	2	4	w	4017421	12	*
Schleifenbaum	Schleifenbaum	Additive Manufacturing 2	6	2	2	4	s	4020491		
Leonhardt / Misgeld	Leonhardt / Misgeld	Advanced Control Systems	4	2	1	3	w	6010486		
De Doncker	De Doncker	Advanced Electrical Drives	4	2	1	3	s	6017063		
N.N.	N.N.	Battery Production	3	1	1	2	s	4022698		
Abel	Abel	Control Engineering	5	2	1	3	w	4011476		
Markert	Markert	Computational Intelligence in Engineering	5	2	1	3	w	4021493		
Rasche	Rasche, Mertens, Greven	Digital Health Engineering and Entrepreneurial Innovation	5	2	2	4	w	8021772		
Kampker	Kampker	Electric Mobility Components Production	3	1	1	2	s	4016093		
Kowalewski	Kowalewski	Embedded Systems	6	3	1	4	s	1215690		
Schuh	Dannapfel	International Factory Planning	6	2	2	4	s	4011481		
Schröder	Schröder	Fundamentals of Lightweight Design	5	2	2	4	w	4011452		
N.N.	N.N.	Industrial Engineering and Ergonomics	5	2	2	4	w	4014442		
Wilstermann	Wilstermann	Industrial product development process - battery systems for hybrid and electric vehicles	5	2	2	4	s	6022858		
Markert	Markert	Intelligent Monitoring of Engineering Systems	5	2	1	3	s	4021494		
N.N.	N.N.	International Business	5	2	2	4	w	4011505		
N.N.	N.N.	Laser Applications	6	2	2	4	w	4022685		
Brecher	Brecher	Mechatronics and Control Techniques for Production Plants	6	2	2	4	w	4011451		
N.N.	Rumpe	Model-based Systems Engineering	6	2	3	5	w	1222882		
Schmitt	Schmitt	Production Metrology	5	2	2	4	s	4011467		
N.N.	N.N.	Produktion elektrischer Antriebe	3	1	1	2	s	4020846		
N.N.	N.N.	Process Analysis in Manufacturing Technology	5	2	1	3	w	4011047		
Hüsing	Hüsing	Robotic Systems	5	2	2	4	w	4018563		
N.N.	N.N.	Simulation Techniques in Manufacturing Technology	5	2	1	3	w	4012413		
Jacobs	Jacobs	Tribology	6	2	2	4	w	4011475		
Reisgen	Reisgen	Welding and Joining Technologies	6	2	2	4	s	4011441		
<b>German Language Course and Master's Thesis</b>										
N.N.	N.N.	German Language Course	2	2	0	40h/3weeks		4013868	2	40h/3weeks
		Master Thesis	30			6 Months			30	6 Months

\* The total amount of weekly contact hours (SWS) depends on the modules selected.